

Fig. 1

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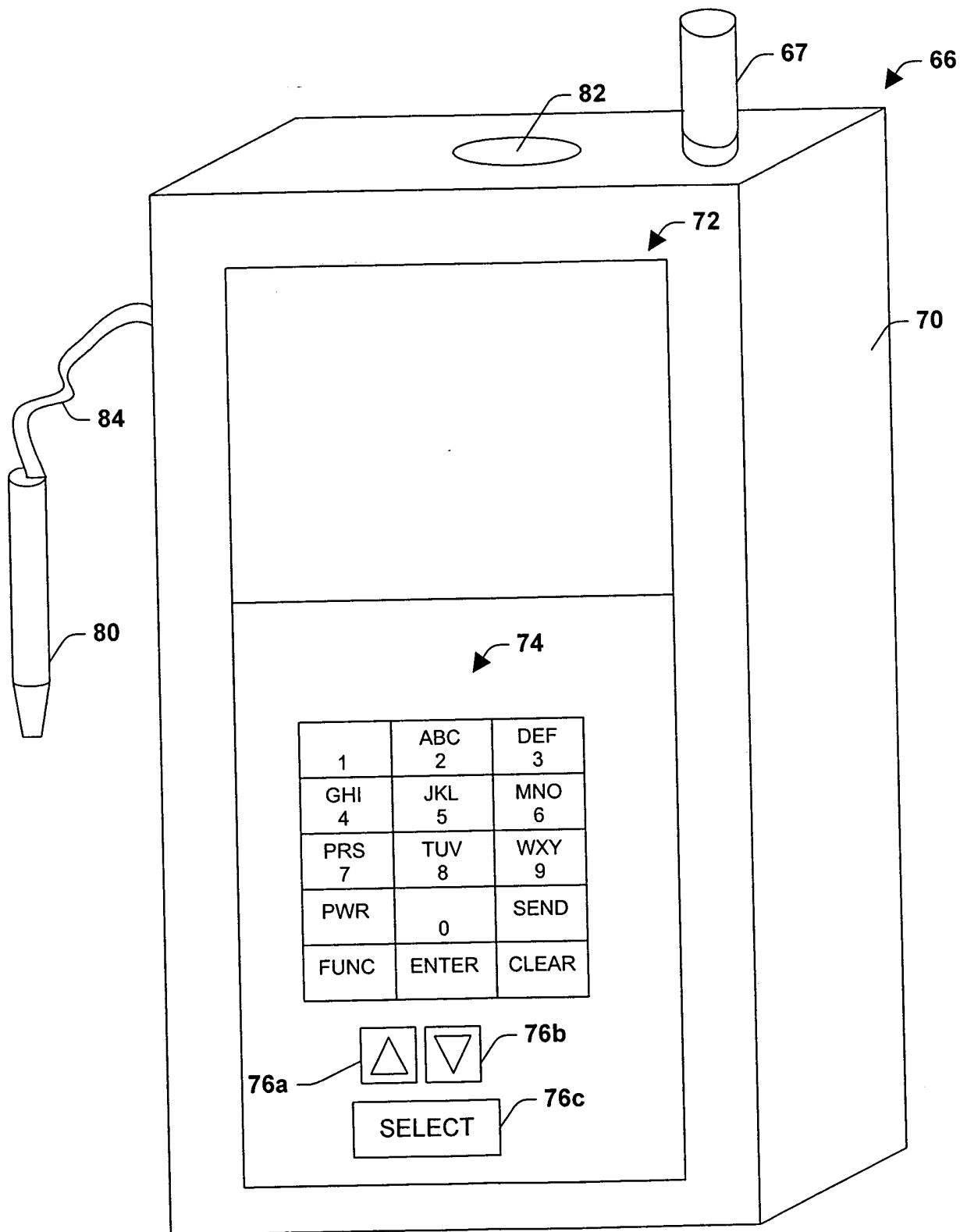


Fig. 2a

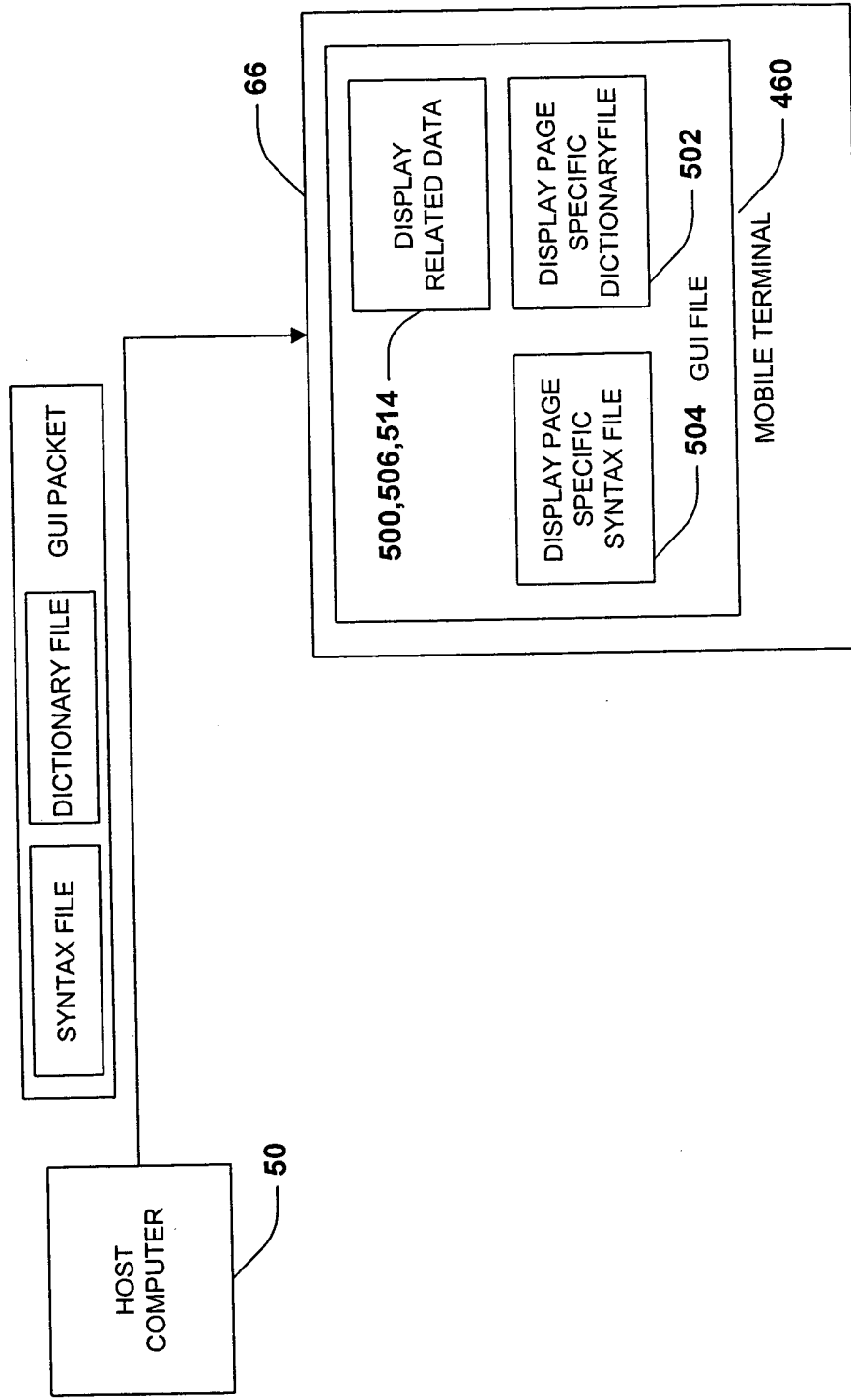


Fig. 2b

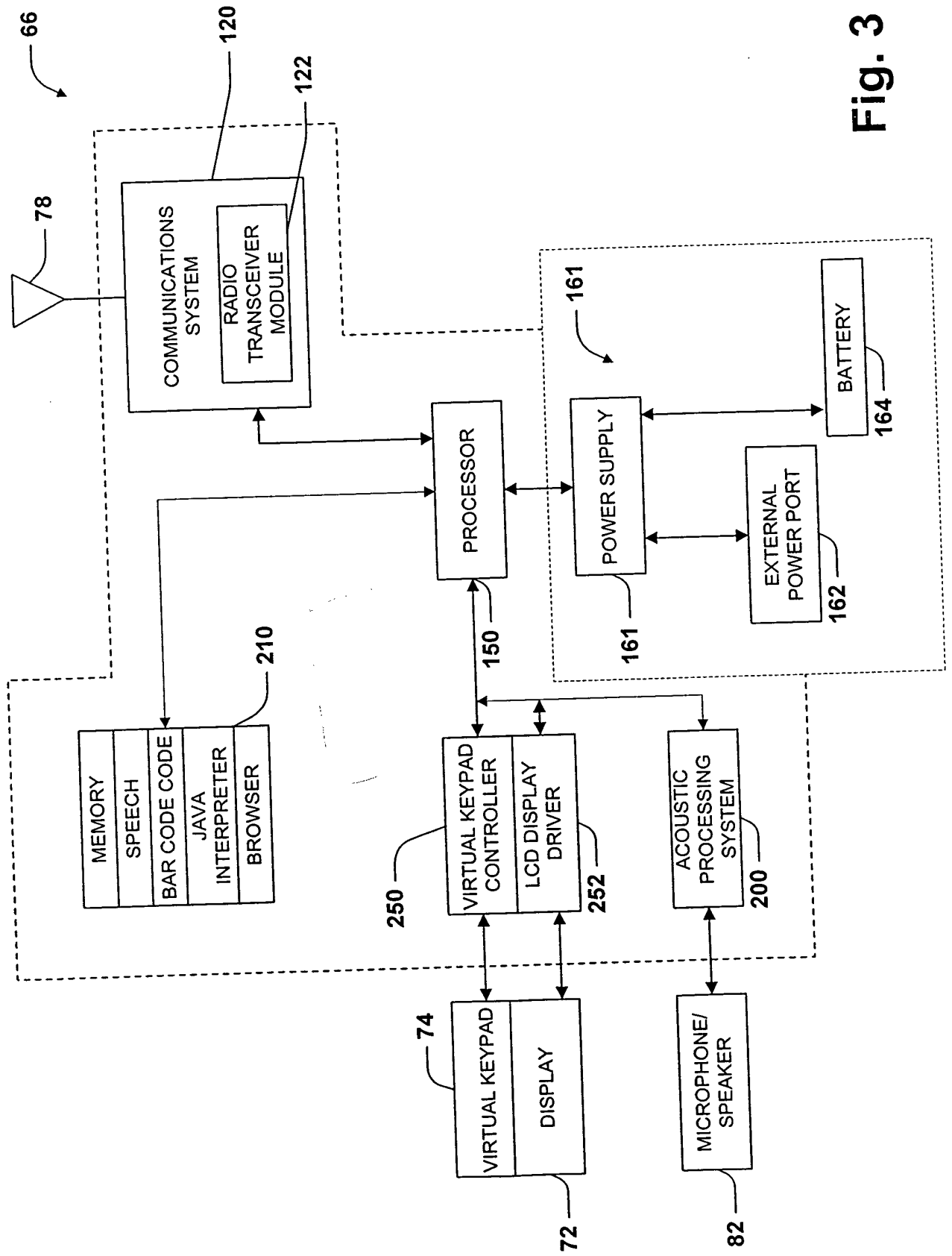


Fig. 3

The block diagram illustrates the internal architecture of a mobile station, designated as 54a. The system is organized into several interconnected blocks:

- Antenna (67):** A radio frequency antenna connected to the TX/RX block.
- TX/RX Block (320):** A functional block containing a **TX (Transmit) block (324)** and an **RCV (Receive) block (322)**. These blocks are interconnected with each other and with the central processor block.
- Processor (310):** The central control unit of the mobile station, which manages data flow between the TX/RX block, memory, and the Xceiver.
- Memory (312):** A storage unit for data and instructions, connected to the processor via a bidirectional data path.
- Xceiver (302):** A combined transmitter and receiver block that interfaces with the processor and the external network.
- Network Interface (300):** A block representing the connection to an external network, such as a base station.
- Network (42):** The external communication network, shown as a horizontal line at the bottom of the diagram.

Arrows indicate the direction of data flow: from the antenna to the RCV block, from the TX block to the antenna, and bidirectional communication between the processor and both the TX/RX block and the memory. The Xceiver and network interface blocks facilitate communication with the external network.

Fig. 4a

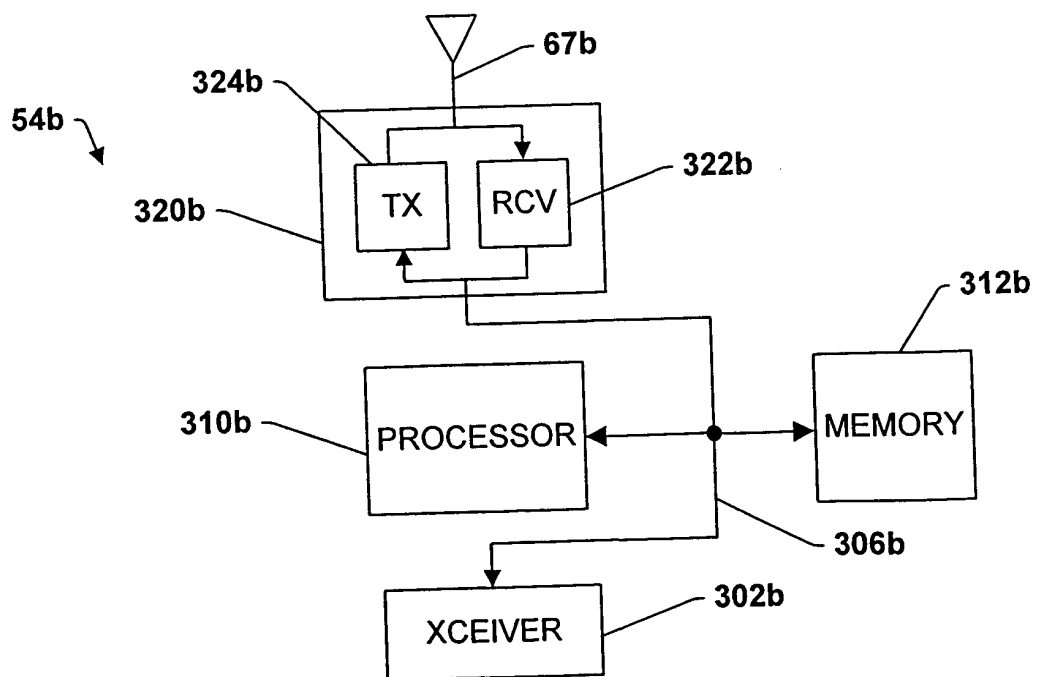


Fig. 4b

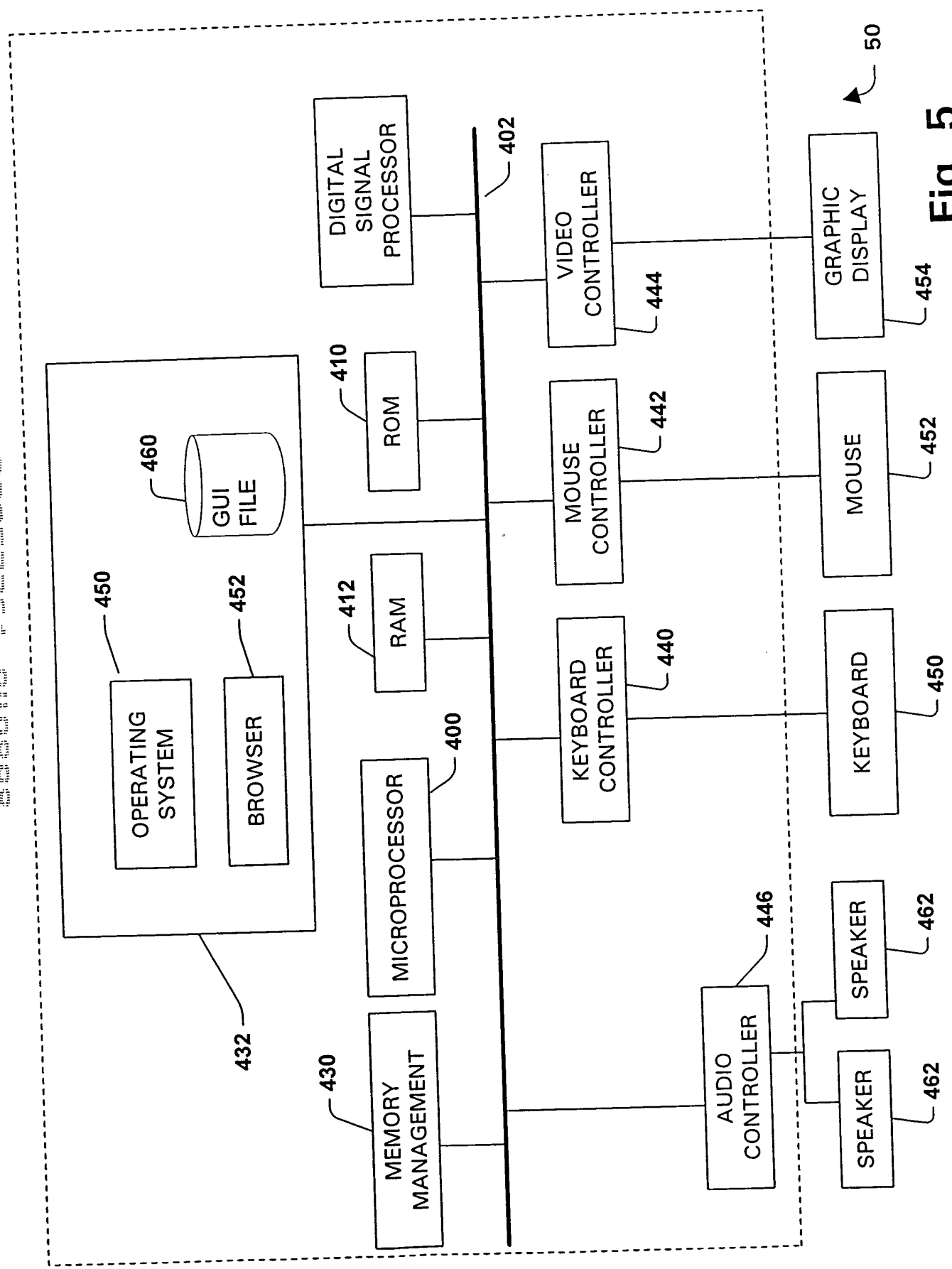


Fig. 5

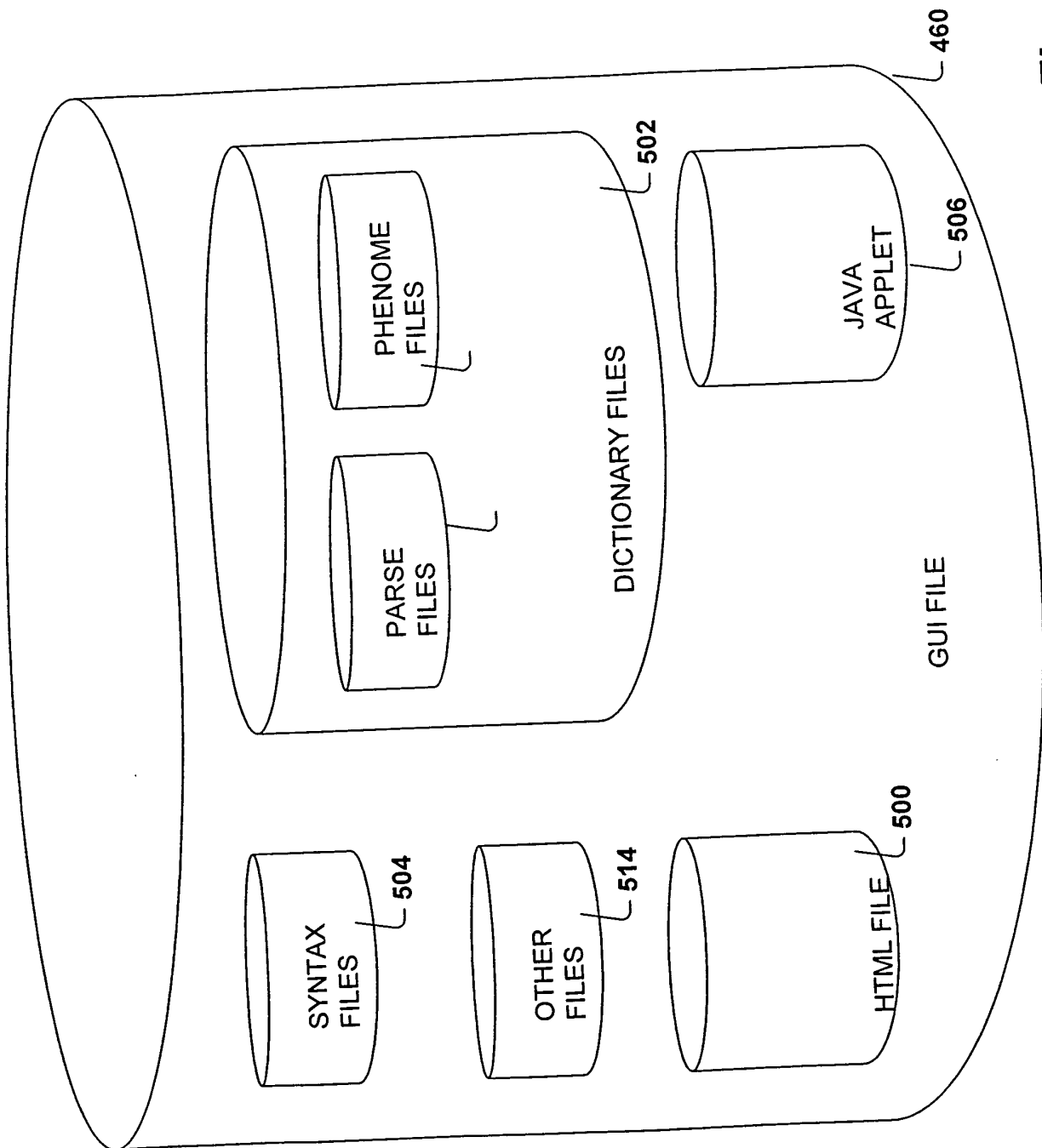


Fig. 6

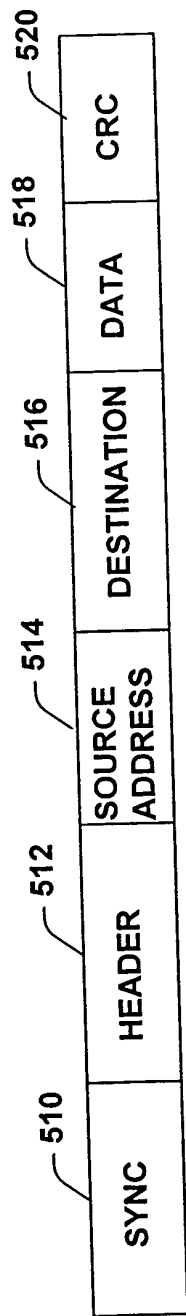


Fig. 7

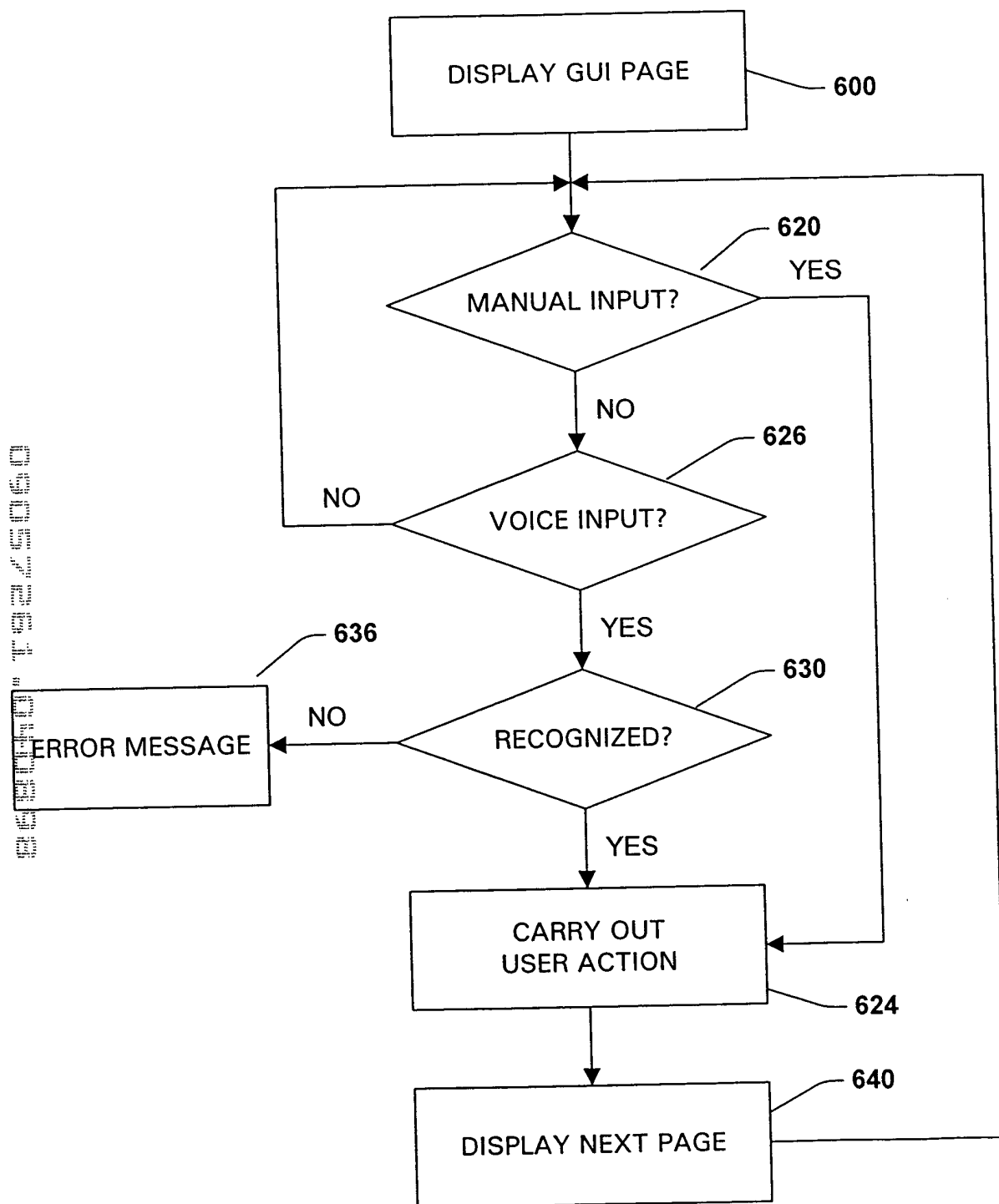


Fig.8

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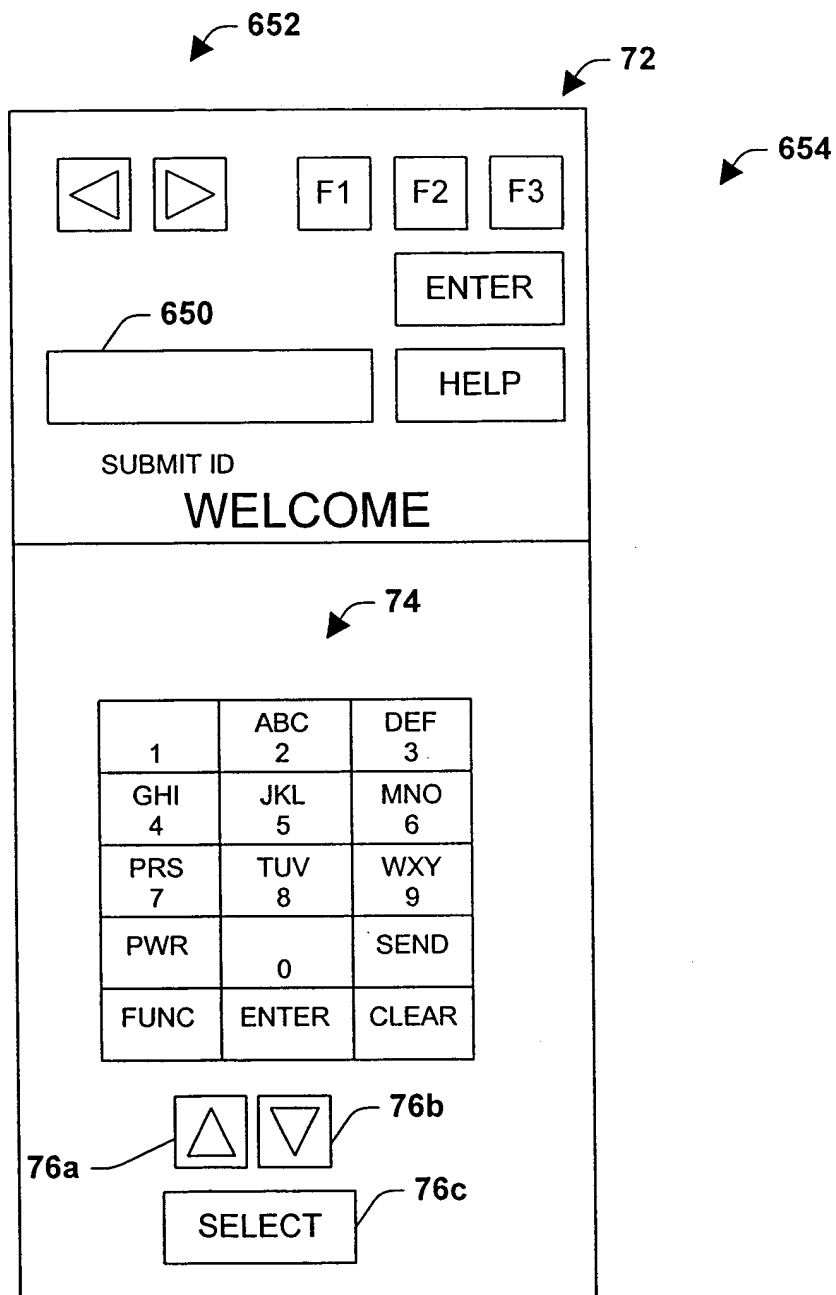


Fig. 9

Figure 1 illustrates the main menu screen of a handheld device. The screen is divided into two main sections. The top section, labeled 72, is the "MAIN MENU" and contains buttons for navigation (left and right arrows), function keys (F1, F2, F3), and action buttons (INVENTORY, ENTER, PRICE, HELP, SALE). The bottom section, labeled 74, is a numeric keypad with letters associated with numbers 1-9, and buttons for PWR, FUNC, 0, ENTER, and CLEAR. Below the keypad are three more buttons: an up arrow (76a), a down arrow (76b), and a "SELECT" button (76c).

Fig. 10

FIG. 72

The figure shows a handheld electronic device with two main sections. The upper section includes a left arrow button, a right arrow button, three function buttons labeled F1, F2, and F3, an ENTER button, and a HELP button. Below these buttons is a rectangular input field. Underneath the input field, the text "SUBMIT ID" and "PLEASE RENTER ID" is displayed. The lower section contains a numeric keypad where each number has associated letters: 1 (none), 2 (ABC), 3 (DEF), 4 (GHI), 5 (JKL), 6 (MNO), 7 (PRS), 8 (TUV), 9 (WXY), and 0 (PWR). There is also a SEND button, a FUNC button, and a CLEAR button. Reference numeral 72 points to the top edge of the device. Reference numeral 74 points to the numeric keypad area. Reference numeral 76a points to the left arrow button, 76b points to the right arrow button, and 76c points to the SELECT button located below the numeric keypad.

76a